



HAYHOOK, LLC

STATE MINE INSPECTOR

NOV 08 2021

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Arizona State Mine Inspector
1700 West Washington Street
Suite 403
Phoenix, Arizona 85007

Attention: Joe Hart
Arizona State Mine Inspector

Subject: Amendment to Approved Reclamation Plan for Slaughterhouse
Wash Operation

Dear Mr. Hart:

Per your letter dated October 12, Hayhook, LLC is submitting the attached amendment for implementation into the Aggregate Mined Land Reclamation Plan for the Slaughterhouse Wash Operation, approved March 5, 2021. We have included four copies of the amended report with the items changed marked with a yellow highlight. The fee of \$1,565 plus \$400 for an additional 20 acres has also been included.

Changes to the existing plan include the following:

- Section 2.0 updated to include current ownership & land use for A.P.N. 106-52-001B along with verbiage for two new Figures 1.1 and 2.1.
- Sections 2.1, 3.0, and 3.1 include added verbiage for this change and new Figure 3.1.
- Section 3.2 now includes surface disturbance table for A.P.N. 106-52-001B.
- Section 4.2.1 includes added verbiage for new Figure 4.1
- Section 4.3.3 updated to change 10K fuel tank with secondary containment to 5K fuel tank with secondary containment.
- Section 4.7 updated to extend mining operations through 2040.
- Sections 4.9.1, 4.9.4, 4.9.5, 4.9.6, 4.9.8, 4.9.9, and 4.9.10 together with Appendix "A" updated to adjust costs for additional disturbance.

If you have any questions, please call or email me directly.

Sincerely yours,
Hayhook, LLC.

Mark D. Brinton
Manager
markdbrinton@gmail.com
Cell (480)215-8297

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1.0 OWNER/OPERATOR INFORMATION

Hayhook, LLC.
447 West Henry Street
Wilcox, AZ 85643

1.1 REGULATORY CONTACT PERSON

Mark D. Brinton (Hayhook, LLC. Managing Member)
PO Box 773
Wilcox, AZ 85644
480-215-8297
markdbrinton@gmail.com

1.2 STATEMENT OF RESPONSIBILITY

Hayhook, LLC, hereby assumes responsibility for the reclamation of surface disturbances that are attributable to the aggregate mining unit consistent with A.R.S §27-1201 and A.C.C. R11-3-501 pursuant to that chapter. All areas that have been disturbed at the site will be reclaimed to a safe and stable condition upon cessation of aggregate mining operations.

By: Mark D. Brinton Date: 11/05/2021
Mark D. Brinton, Manager

1.3 CERTIFICATE OF DISCLOSURE

Hayhook, LLC, is not required to provide a certificate of disclosure as published in A.R.S. 27-1205.

2.0 CURRENT OWNERSHIP & LAND USE

(A.P.N. 106-52-005C)

Hayhook, LLC, has recently purchased 94+/- acres of land consisting of Government Lots 1, 2 & 3 of Section 7, Township 21 South, Range 20 East of the Gila and Salt River Meridian located approximately 1 mile West of State Route 90 along Patton Street, Huachuca City, Cochise County, Arizona. (Figure 1, Site Location)

Previous owners of this site were conducting sand and gravel operations. The mining operation at this facility has included the removal of earthen materials for aggregate mining as described in A.R.S. §27-441. Aggregate mining

disturbances exist on approximately the North 16+/- acres of Government Lot 1 with the current depth of excavations of approximately 10- 30 feet. No stockpiles remain onsite. All crushing and screening equipment has been removed from the site. Water was provided by two on-site production wells, which were powered by portable generators. The generators have been removed while the wells remain. (Figure 2, Existing Conditions)

(A.P.N. 106-52-001B)

Hayhook, LLC, has recently purchased an additional 50+/- acres of land North of and abutting A.P.N. 106-52-005C, consisting of Government Lots 6 & 7 of Section 6, Township 21 South, Range 20 East of the Gila and Salt River Meridian located approximately 1 mile West of State Route 90 along Patton Street, Huachuca City, Cochise County, Arizona. (Figure 1.1, Site Location)

Previous owners of this site were conducting sand and gravel operations. The mining operation at this facility has included the removal of earthen materials for aggregate mining as described in A.R.S. §27-441. Aggregate mining disturbances exist on approximately 25+/- acres of both Government Lots 6 & 7 lying South of Mustang Road with the current depth of excavation of approximately 10- 30 feet. No stockpiles remain onsite. All crushing and screening equipment has been removed from the site. Water was provided by one off-site production well, which was powered by a portable generator. (Figure 2.1, Existing Conditions)

2.1 SURROUNDING AREA LAND USE

The Site is located in a commercial and residential portion of Huachuca City, Arizona. Surrounding land uses generally consist of:

- Open space to the north
- Undeveloped Private lands located to the east
- Fort Huachuca Military Reservation to the south
- Residential development to the west
Low Density housing (5-20 acre sites)

2.2 DESCRIPTION OF ROADS

Main highways and roads provide access to the property via State Route 90 and Patton Street. A primary off-highway access road is maintained from the entrance to the open pit and process areas. The haul roads within the open pit and the plant area may change configuration often as the mining operations continue.

2.2.1 PUBLIC ACCESS RESTRICTIONS

Fencing and locked gates already exists around the mining area and will be maintained to restrict public access. Signs are installed around the site perimeter and will be maintained to identify potential hazards.

3.0 PROPOSED AGGREGATE MINING OPERATION

Hayhook, LLC., anticipates that the continued aggregate mining activities on-site will include further disturbance of land within the boundaries of Government Lots 6 & 7 of Section 6 along with Government Lots 1,2 & 3 of Section 7; utilization of the two existing on-site production wells, installation of a portable office/scale house, portable fueling facilities, power facilities, water pipelines, a water recycle pond, access roads, and haul roads; further excavation of the open pit and the development of stockpiles; the installation and operation of feeders, conveyors, crushers, screens, and mobile mining equipment in support of the aggregate open pit operations. (Figure 3 & 3.1 Proposed Mining)

Other activities at the site may also include test holes or other earthen materials sampling techniques. The location of haul roads, waterlines, power facilities, fuel and oil storage facilities, portable office, parking area, and stationary process equipment on the property may occasionally change to meet the needs of continued aggregate mining operations. In addition, Hayhook, LLC, may also develop facilities that crush concrete and mix or recycle rock, sand, gravel, or similar aggregate materials with water and cement or with asphalt (Ready-Mix, Asphalt, Block Plants, etc.).

The wildlife habitat at this facility that may continue or be newly disturbed is categorized as grassland (USGS National Atlas Land Cover Characteristics) and includes an ephemeral wash (Slaughter House Wash) habitat located at the northwestern edge of the facility. The ephemeral wash is a tributary to the Babocomari River, located approximately 0.8 miles to the north. There are no other perennial streams, lakes, wilderness areas, or national parks in the immediate area of this facility.

2006 Special status species and other wildlife report states "No endangered wildlife" (Appendix "B")

3.1 DESCRIPTION OF FUTURE DISTURBANCE

All future aggregate mining and reclamation activities on the Site are planned to occur within the property boundaries (Figure 1 & Figure 1.1). The plan for future operations will include expansion south & northwest of the existing mining area. The total mining disturbance will be approximately 49+/- acres on A.P.N. 106-52-005C & approximately 12+/- acres on A.P.N. 106-52-005B.

The mining area is an expansion of the current mining areas. The excavation will have the following characteristics:

- Excavation of one pit area.
- Minimum setback of 100 feet from the North property line and minimum setback of 50 feet from the West, East and South property boundaries.
- Maximum final depth of mining of approximately 60+/- feet BLS.
- Pit walls may be mined to a slope of 1H:1V and will be backfilled with inert material to achieve a final reclaimed slope of 3H:1V.
- Unpaved haul roads that lead to the primary crushing, screening, and stockpile areas (disturbance included in pit disturbance area).

3.2 SURFACE DISTURBANCE TABLE

(A.P.N. 106-52-005C)

AREA DESCRIPTION	AREA IN ACRES
Existing Mined Area	16+/-
Aggregate Mine Area	44+/-
Roads	2+/-
Ponds	2+/-
Overburden	N/A
Process Area	1+/-
Total Acres	65+/-

(A.P.N. 106-52-005B)

AREA DESCRIPTION	AREA IN ACRES
Existing Mined Area	25+/-
Aggregate Mine Area	8+/-
Roads	1+/-
Ponds	N/A
Overburden	N/A
Staging Area	3+/-
Total Acres	37+/-

4.0 RECLAMATION PLAN NARRATIVE

4.1 PROPOSED POST MINE LAND USE

Hayhook, LLC, will regrade all of the disturbed areas of the property to a safe and stable condition suitable for the Post-Mine Land Use (PMLU) upon completion of aggregate mining activities as described in this Reclamation Plan. It is anticipated that the PMLU will include:

- Open Space
- Natural Ephemeral Wash
- Other Future Residential Use (1 Unit / 2-5 acre home sites)

4.2 POST AGGREGATE MINE RE-GRADING & EROSION CONTROL

4.2.1 DESCRIPTION OF FINAL TOPOGRAPHY

The final topography for all areas planned to be reclaimed (Figure 4 & Figure 4.1 Post Mining Land Use) will include pit wall slopes no steeper than 3H:1V.

Processing plant material stockpiles will be depleted and removed by the end of the mining operations. Fines will be spread evenly across aggregate mining disturbance to dry and naturally revegetate.

4.2.2 SLOPE STABILITY

Any reclaimed slopes in the site will be at a 3H:1V ratio, which will minimize erosion and result in geotechnical stability for the area. Soil capping and re-grading may be necessary to maintain the integrity of specified areas otherwise, no other physical stabilization will be necessary.

4.2.3 EROSION CONTROL

Storm water drainage controls will be established as part of site-specific best management practices. Specific erosion control measures include:

- Storm water will be routed into pit area/water pond
- Rip-rap will be used to line discharge points where erosion control is required.
- Earthen berms will be used to prevent outfalls and prevent storm water from flowing off site

Mining slopes will be backfilled to 3H:1V or flatter concurrently with the mining operation to provide an acceptable factor of safety against deep seated failure.

4.3 POST AGGREGATE PLAN FOR STRUCTURES & EQUIPMENT

4.3.1 STRUCTURES TO BE REMOVED

The Site will have no permanent structures after cessation of mining. Temporary structures currently on site or planned to be on site include:

- One crushing and screening plant
- One wash plant w/conveyors and water reclaim system
- One portable building/scale house (40'x8'x9.5')
- One truck scale
- Two sand screws

4.3.2 UN-RECLAIMED STRUCTURES

Once mining on the property has ceased, all structures will be dismantled and removed as part of the post aggregate mining reclamation effort.

4.3.3 FACILITIES, WELLS, AND IMPROVEMENTS TO BE RECLAIMED

Two on-site production wells, one electric transformer, two sub-panels and the water recycle pond will remain for future residential development purposes.

Improvements, facilities, and aboveground storage tanks (ASTs) planned for removal are located in the processing plant area. Facilities in the processing area include:

- One portable 5K fuel tank with secondary containment
- Two portable construction toilets removed by contract waste removal services
- One 3 yard dumpster removed by contract waste removal services
- One generator
- 635 L.F. of above ground 6" HDPE waterline

All of these items will be dismantled and removed as part of the reclamation efforts. The facilities with concrete pads and/or concrete secondary containment will be removed and the pad will be broken up and buried on site.

4.4 POST AGGREGATE PLAN FOR EXCAVATIONS, PITS, & ROCK FACES

Pit walls and rock faces will be backfilled with inert material to the final reclamation slope of 3H:1V concurrently with the aggregate mining operation. Excavations and all other surface disturbances will be ripped/scarified to allow for natural revegetation of the proposed open space PMLU.

4.5 POST AGGREGATE ROAD RECLAMATION

All haul and plant roads will be reclaimed. Roads located on pit floors and slopes will be incorporated into the final reclaimed topography. Culverts, if any, will be removed and drainage patterns restored to match reclaimed topography. Compacted road beds will be ripped/scarified to match surface drainage patterns of surrounding reclaimed land.

Some haul roads will be utilized for future residential roads/driveways for 8 home sites (1 unit per 2-5 acres).

4.5.1 RECLAIMED ROAD EROSION CONTROL

The reclamation of any remaining compacted road surfaces not utilized for PMLU will eliminate the concentrated and erosive flow patterns associated with typical road runoff. The uneven and loosened surfaces created by scarifying and ripping will facilitate infiltration and generate relatively non-erosive sheet flow under heavy precipitation events.

4.6 SOIL CONSERVATION AND REVEGETATION

4.6.1 TOPSOIL CONSERVATION PLAN

The topsoil and overburden recovered from mining operations is currently being used for berms along existing roads and will be stored in a berm located along the western edge of the property.

4.6.2 REVEGETATION PLAN

Soil placement will not occur at the Site. Natural revegetation is expected to be successful at the Site over time because the naturally occurring geologic materials are sufficiently fine-grained to provide a suitable growth medium for vegetation.

Care and maintenance of the reclamation effort will involve a final inspection & topographic survey of the Site. This confirms that max slopes of 3H:1V which minimizes potential erosion and promotes slope stability for vegetative growth.

4.7 CONCEPTUAL SCHEDULE FOR DISTURBANCE & RECLAMATION

The conceptual schedule includes:

- Disturbance operations are ongoing and will progress from the North side of the proposed disturbance and continue to the South.
- Mining operations are anticipated to continue through approximately 2040.

- Reclamation activities will be concurrent with mining activities as conditions allow.
- Reclamation of the final mined areas will be initiated within 12 months of the permanent cessation of mining activities and is anticipated to be completed within 30 days of the start date.
- Reclamation will be deemed complete once the reclaimed surfaces have been regraded to a safe and stable condition; access restriction measures are in place and the ASMI verifies that the owner or operator has fulfilled the requirements of the approved reclamation plan.

4.8 PROBABLE FUTURE CONDITIONS

The profitable operation of a mine is based on a variety of factors including the amount and quality of geologic resources available for extraction, site-specific hydrogeological conditions, and permitting constraints, economic factors affecting the cost of extraction and processing, and market conditions which influence the supply and demand for these materials or finished products containing these materials. Changes to any of these factors can have significant impacts to mine profitability and can thus require operators to modify mining, processing, or operational methods or expand or temporarily cease operations.

Further, the means and methods described in this Plan to operate a mining facility and implement reclamation are based on the application of currently-available technologies and practices. These technologies and practices are constantly evolving and the operations described in this Plan may be modified or impracticable.

Consequently, factors affecting profitable operation or means and methods are likely to change due to unanticipated or unknown future conditions. Therefore, the operator of the facility described in this Plan reserves the right to adapt their operations or plans to these changing, unanticipated, or unknown future conditions to the extent that these operational changes do not cause substantial non-compliance with existing permits or authorizations. Probable future development at the Site will include low density residential home sites (1 unit per 2-5 acres).

4.9 ESTIMATED RECLAMATION COSTS

The costs developed for this Reclamation Plan is based primarily from "RSMeans data" and estimates provided by Robert Kramme with Kramme Construction. Robert is currently working with the owner to re-open this

mine site and is expected to provide the services for the final mine reclamation requirements.

Surface areas were defined by plan projection of outlined areas.

Administrative costs are based upon a percentage of total reclamation cost.

The estimated costs developed for this Reclamation Plan include:

- Pit walls and re-grading
- Stockpiles, dumps, and fines area
- General Structure Demolition and removal
- Road reclamation
- Care and maintenance
- General construction
- Plant removal
- Cost adjustment
- Administrative costs

A summary of the estimated reclamation costs is listed in Table 1 at the end of this section. The sources and calculations of the estimated reclamation costs are detailed in Appendix "A".

4.9.1 PIT WALLS AND RE-GRADING COST

Pit walls will be backfilled with inert material to the final reclamation slope of 3H:1V concurrently with aggregate mining operation therefore, post aggregate mining re-grading will not be required.

Contingency for ten weeks' worth of production based on excavation of 2,000 C.Y. per week has been included in this cost.

The total estimated cost for this category is \$92,508.

4.9.2 STOCKPILE, DUMPS, AND FINES AREA COST

Aggregate stockpiles are expected to be removed by the end of operations. No permanent overburden dumps are expected on the Site after mining operations cease.

Contingency for ten weeks' worth of production based on excavation of 2,000 C.Y. per week has been included in this cost.

The total estimated cost for this category is \$40,000.

4.9.3 GENERAL STRUCTURE DEMOLITION AND REMOVAL COST

The reclamation activities detailed in this category include:

- Removal of one portable building/scale house (40'x8'x9.5')
- Removal of one truck scale
- Removal of two portable construction toilets
- Removal of one portable 5K fuel tank with secondary containment
- 635 L.F. of above ground 6" HDPE waterline
- Breakup and utilization of concrete pads as Rip Rap for potential erosion control (approximately 2,000 square feet)

The total estimated cost for this category is \$7,291.

4.9.4 ROAD RECLAMATION/RECONSTRUCTION COST

The cost of ripping/scarifying the roads is estimated at \$3,851.

4.9.5 CARE AND MAINTENANCE COST

Care and maintenance for the reclamation effort at this operation consists of:

- Trash removal
- Final inspection & Survey

The cost of care and maintenance is estimated at \$8,700.

4.9.6 GENERAL CONSTRUCTION COST

Construction efforts for reclamation include:

- Installing rip-rap erosion control
- Ripping/scarifying disturbed area

The cost of construction is estimated at \$68,264.

4.9.7 PLANT REMOVAL COST

The estimated reclamation costs detailed in this section include the dismantling, loading & unloading transport, and removal of the following equipment:

- One crushing and screening plant
- One wash plant w/conveyors and water reclaim system
- Two sand screws
- Mobilization & Demobilization of Reclamation Equipment

The cost of plant removal is estimated at \$38,930.

4.9.8 COST ADJUSTMENT

Power and water recycle pond contingency

A 2% annual cost increase has been included to adjust from 2020 pricing to estimated 2040 pricing on operating and material costs.

The cost adjustment is estimated at \$141,245.

4.9.9 ADMINISTRATIVE COST

The estimated administrative cost includes:

- Contingency
- Mobilization/demobilization
- Contractor profit
- Contract administrative costs

The total estimated administrative cost is \$140,276.

4.9.10 TOTAL RECLAMATION COST

The total estimated reclamation cost for this reclamation plan is \$541,065.

(TABLE 1) ESTIMATED RECLAMATION COST SUMMARY

SECTION	RECLAMATION ITEM	COST
4.9.1	Pit Walls Re-grading	\$92,508
4.9.2	Stockpile, Dumps, and Fines Area	\$40,000
4.9.3	Structure Demolition and removal	\$7,291
4.9.4	Road Reclamation/Reconstruction	\$3,851
4.9.5	Care and Maintenance	\$8,700
4.9.6	General Construction	\$68,264
4.9.7	Plant Removal	\$38,930
4.9.8	Cost Adjustment	\$141,245
4.9.9	Administrative Cost	\$140,276
4.9.10	Total Reclamation Cost	\$541,065

5.0 FEES

The Reclamation Plan submittal fee is \$3,800 for an existing aggregate mining unit. A check covering this fee was submitted with this Plan.

6.0 FINANCIAL ASSURANCE

Surety Bond will be the Financial Assurance Mechanism used to cover the estimated reclamation cost. The required information needed to satisfy the financial requirements of Arizona Administrative Code (A.A.C.) R11-3-804 will be submitted under separate correspondence within 60 days.

7.0 REFERENCES

Arizona Administrative Code, Title 11 — Mines, Chapter 3, State Mine Inspector Aggregate Mined Land Reclamation, Articles 1-8.

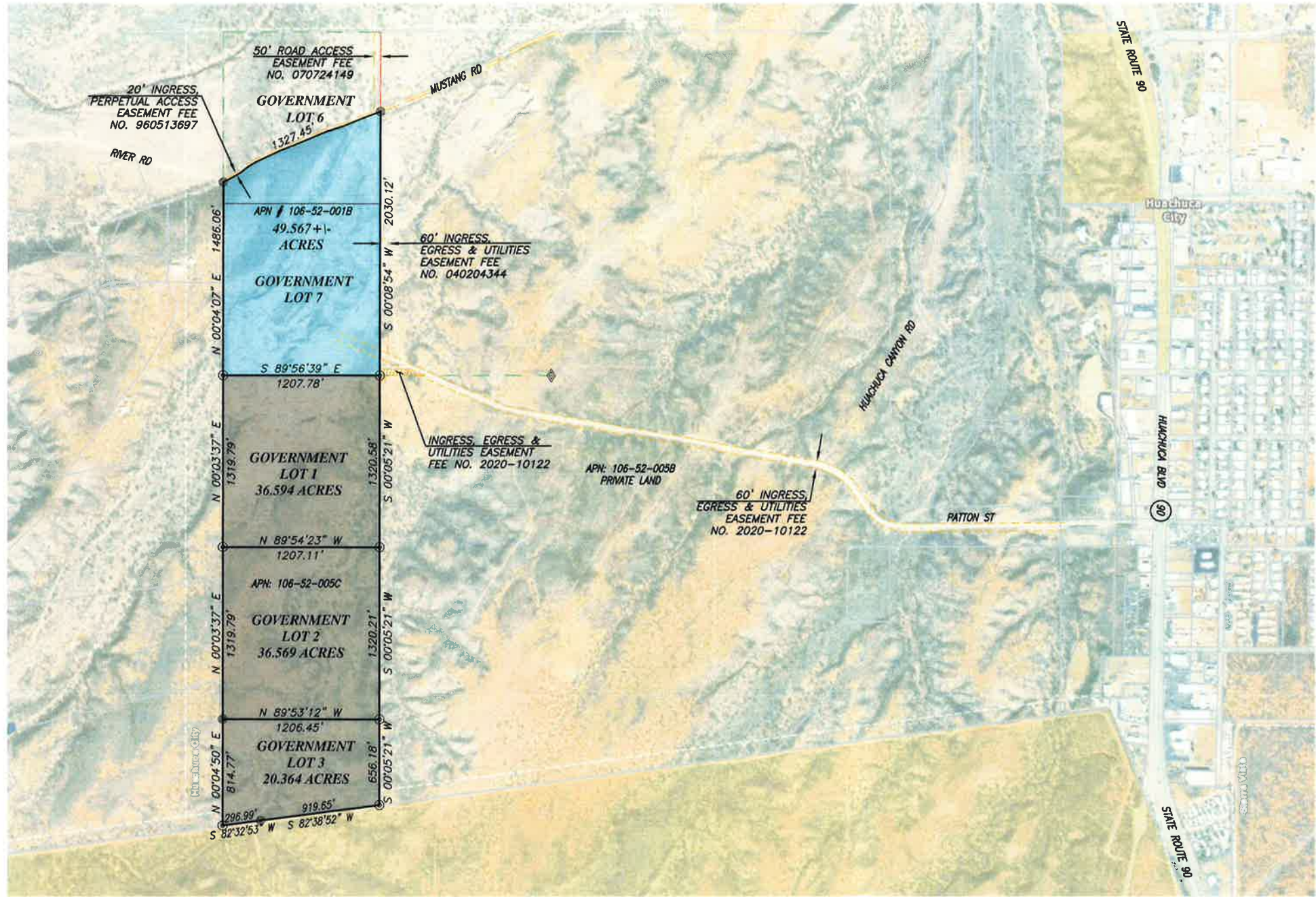
Arizona Revised Statutes, Title 27 — Minerals, Oil and Gas, Chapter 6, Aggregate Mined Land Reclamation, Articles 1-6.

Aggregate Mining Unit Reclamation Plan Guidelines (August 2007)

Arizona Mining Permitting Guide (November 2017)

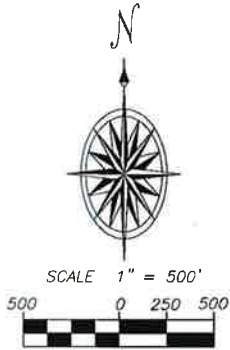
FIGURE #1.1

Government Lot 6 lying South of Mustang Rd. & Government Lot 7 Located within Section 6,



LEGEND

- ⊙ = CALCULATED POINT (NOT SET)
- ⊙ = FOUND MONUMENT
- ⬢ = FOUND U.S.G.L.O. MONUMENT



SITE LOCATION

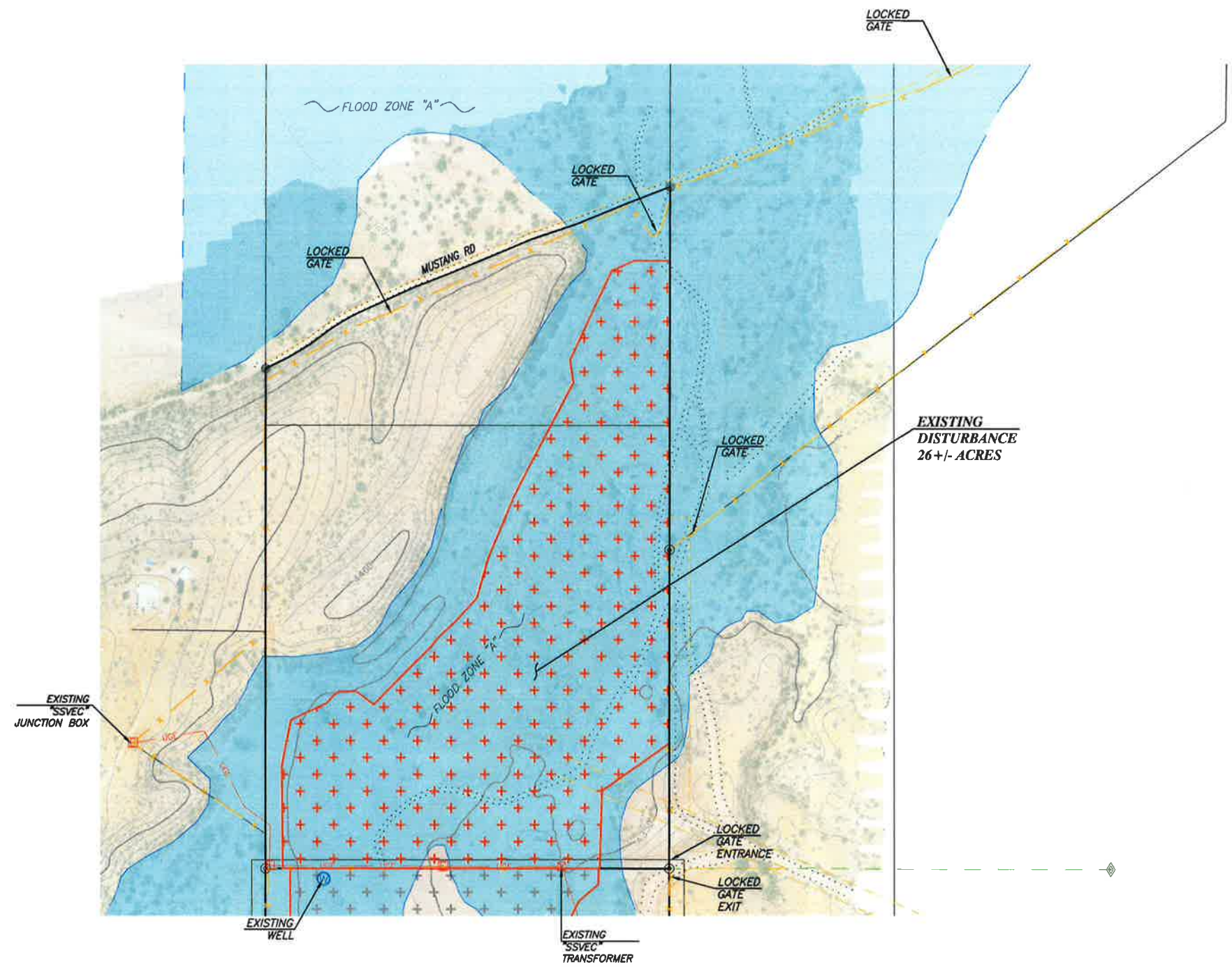
**SLAUGHTERHOUSE WASH
OPERATION HAYHOOK, LLC**

HUACHUCA CITY, ARIZONA



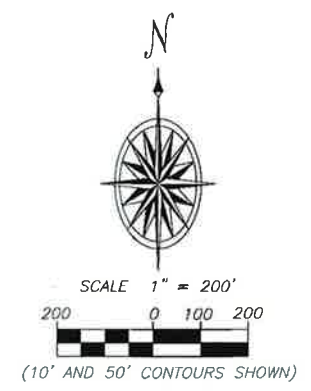
NO.	REVISION	BY	DATE	DESIGN: MB
1	PIT EXPANSION NORTH	MPL	11/03/21	DRAWN: MPL
				REVIEW: TH
PROJ #: 200015c				DATE: 11/03/2021
FILE: FIGURE 1.1				SHEET 1 OF 1

FIGURE # 2.1



LEGEND

- ⊙ = CALCULATED POINT (NOT SET)
- ⊙ = FOUND MONUMENT
- ⊙ = FOUND U.S.G.L.O. MONUMENT
- ⊙ = EXISTING WELL
- ⊠ = "SSVEC" JUNCTION BOX
- ⊠ = "SSVEC" TRANSFORMER
- ⊠ = 200A SUBPANEL
- UGE- = UNDERGROUND ELECTRIC
- "SSVEC" = SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC
- = DIRT ROAD
- X- = FENCE
- ⊠ = PREVIOUSLY MINED AREA



EXISTING CONDITIONS

SLAUGHTERHOUSE WASH
OPERATION HAYHOOK, LLC
HUACHUCA CITY, ARIZONA




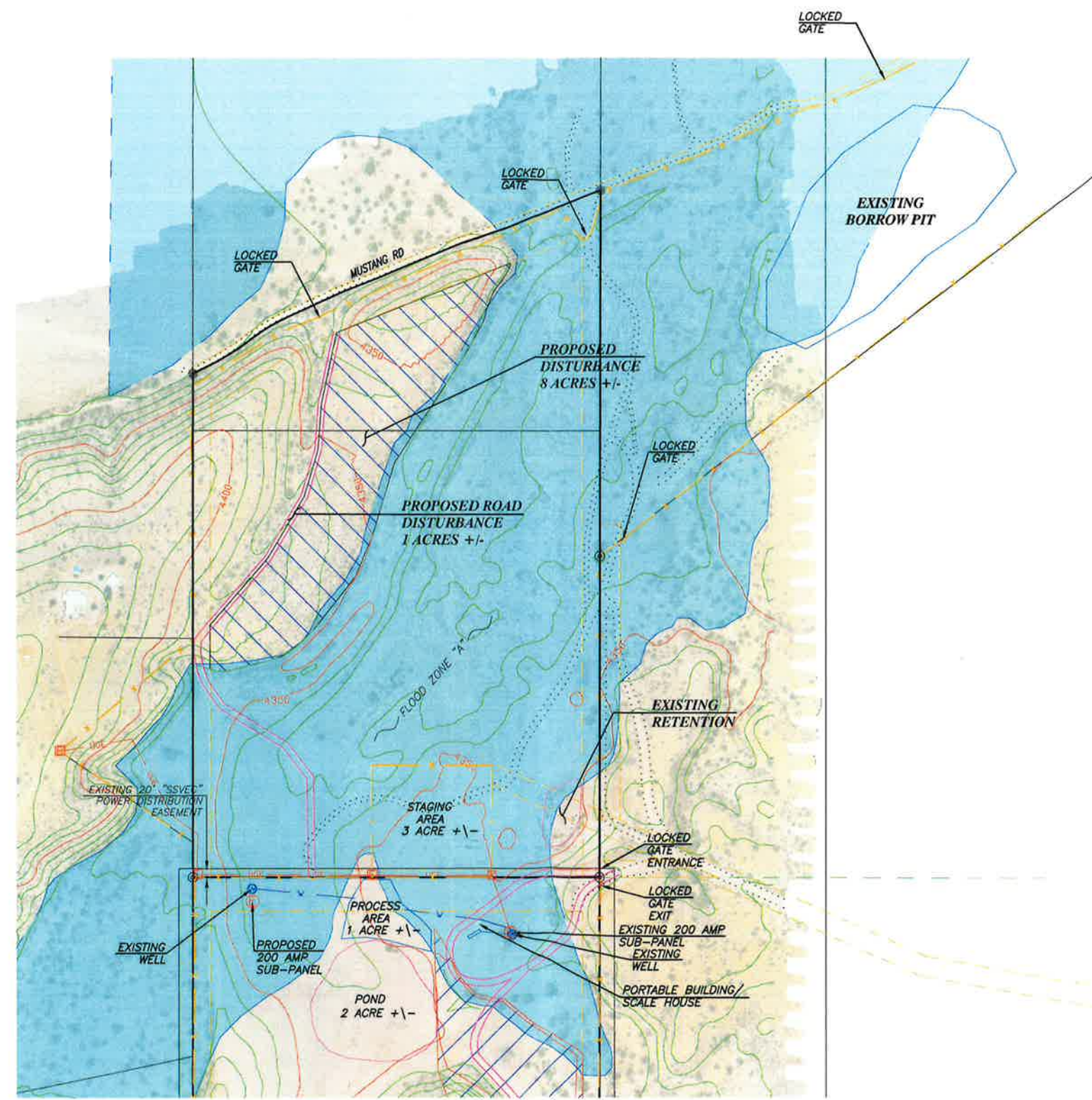
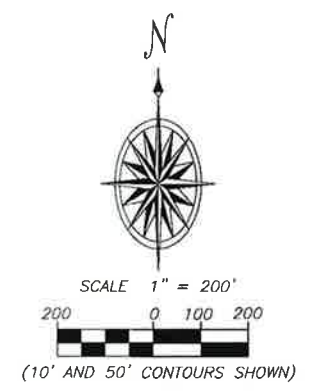
NO.	REVISION	BY	DATE	DESIGN: MB
1	PIT EXPANSION NORTH	MPL	11/03/21	DRAWN: MPL
				REVIEW: TH
 Know what's below. Call before you dig.				PROJ #: 200015c
				DATE: 11/03/2021
				SHEET 1 OF 1
FILE: FIGURE 2.1				

FIGURE #3.1



LEGEND

- = CALCULATED POINT (NOT SET)
- ⊙ = FOUND MONUMENT
- ⬢ = FOUND U.S.G.L.O. MONUMENT
- ⊕ = EXISTING WELL
- = PROPOSED ROAD
- X- = FENCE
- ▨ = PROPOSED MINING AREA
- ⊠ = "SSVEC" TRANSFORMER
- ⊙ = 200A SUBPANEL
- UGE- = UNDERGROUND ELECTRIC
- ⊠ = "SSVEC" JUNCTION BOX
- "SSVEC" = SULPHUR SPRINGS VALLEY ELECTRIC COOPERATIVE, INC



PROPOSED MINING

SLAUGHTERHOUSE WASH

OPERATION HAYHOOK, LLC

HUACHUCA CITY, ARIZONA

HANSEN
ENGINEERING & SURVEYING
115 S. Main St.
Coolidge, AZ 85128
(520) 853-0000
www.hansen-survey.com

NO.	REVISION	BY	DATE	DESIGN: MB
1	PIT EXPANSION NORTH	MPL	11/03/21	DRAWN: MPL
				REVIEW: TH

Know what's below.
Call before you dig.

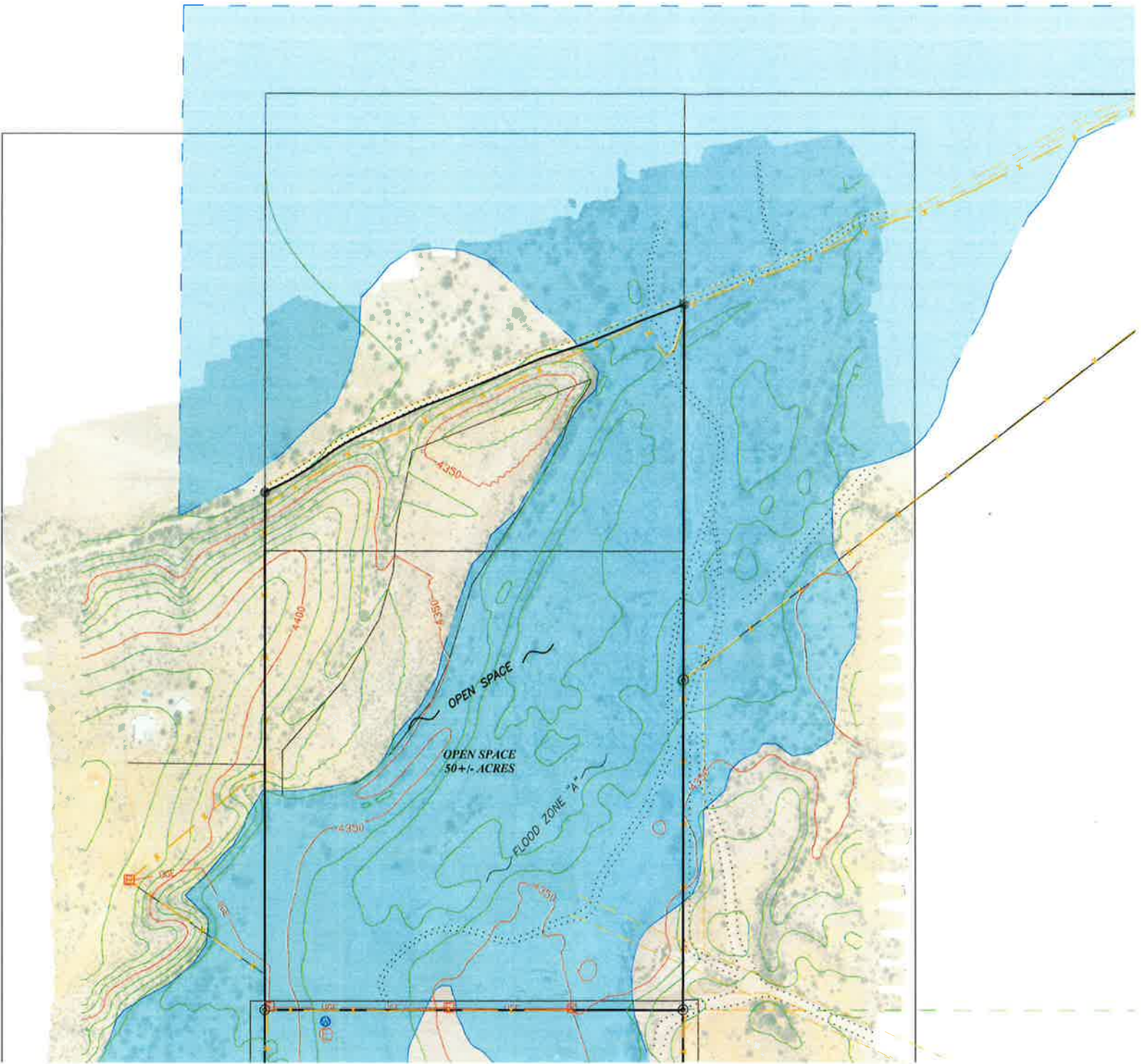
PROJ #: 200015c

FILE: FIGURE 3.1

DATE: 11/03/2021

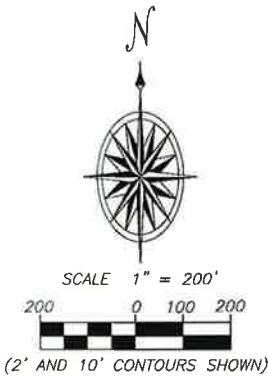
SHEET 1 OF 1

FIGURE #4.1



LEGEND

- ⊙ = CALCULATED POINT (NOT SET)
- ⊙ = FOUND MONUMENT
- ⊙ = FOUND U.S.G.L.O. MONUMENT
- ⊙ = EXISTING WELL
- X- = FENCE
- UGE- = UNDERGROUND ELECTRIC
- ⊠ = "SSVEC" JUNCTION BOX
- ⊠ = "SSVEC" TRANSFORMER
- ⊠ = 200A SUBPANEL



POST MINING LAND USE

SLAUGHTERHOUSE WASH
OPERATION HAYHOOK, LLC

HUACHUCA CITY, ARIZONA



NO.	REVISION	BY	DATE	DESIGN: MB
1	PIT EXPANSION NORTH	MPL	11/03/21	DRAWN: MPL
				REVIEW: TH
811 Know what's below. Call before you dig.		PROJ #: 200015c		DATE: 11/03/2021
		FILE: FIGURE 4.1		SHEET 1 OF 1

APPENDIX "A"

CLOSURE COST ESTIMATE - SLAUGHTER HOUSE WASH OPERATION HAYHOOK LLC						
RECLAMATION ITEM	DESCRIPTION	UNITS	UNIT COST	QUANTITY	COST	NOTES
PIT WALLS AND RE-GRADING						
	PLACEMENT OF STOCKPILES & OVERBURDEN FOR PIT WALLS (2 MONTH CONTINGENCY)	C.Y.	\$ 2.00	20000	\$ 40,000	per verbal estimate Kramme Construction
	RE-GRADING SITE (CONTINGENCY) (33 Acres South Pit) (8 Acres North Pit)	M.S.F.	\$ 29.40	1786	\$ 52,508	rs means online total o&p
				Sub-Total	\$ 92,508	
STOCKPILES, DUMPS, AND FINES AREA						
	REMOVAL OF STOCKPILES & OVERBURDEN (2 MONTH CONTINGENCY)	C.Y.	\$ 2.00	20000	\$ 40,000	per verbal estimate Kramme Construction
				Sub-Total	\$ 40,000	
GENERAL STRUCTURE DEMOLITION AND REMOVAL						
	REMOVAL OF PORTABLE BUILDING/SCALE HOUSE (40'X8'X9.5')	MI.	\$ 4.50	62	\$ 279	per verbal estimate Kramme Construction Includes Load & Unload
	REMOVAL OF TRUCK SCALE	MI.	\$ 4.50	62	\$ 279	per verbal estimate Kramme Construction Includes Load & Unload
	REMOVAL OF PORTABLE CONSTRUCTION TOILETS	MI.	\$ 4.50	62	\$ 279	per verbal estimate Kramme Construction Includes Load & Unload
	REMOVAL OF PORTABLE 5K FUEL TANK WITH SECONDARY CONTAINMENT	MI.	\$ 4.50	62	\$ 279	per verbal estimate Kramme Construction Includes Load & Unload
	REMOVAL OF 6" HDPE WATERLINE	L.F.	\$ 5.00	635	\$ 3,175	per verbal estimate Kramme Construction
	BREAKUP CONCRETE PADS	S.F.	\$ 1.50	2000	\$ 3,000	per verbal estimate Kramme Construction Includes Load & Unload
				Sub-Total	\$ 7,291	
ROAD RECLAMATION/RECONSTRUCTION						
	RIP / SCARIFY ROADS (2 Acres South Pit)(1 Acre North Pit)	M.S.F.	\$ 29.40	131	\$ 3,851	rs means online total o&p
				Sub-Total	\$ 3,851	
CARE AND MAINTENANCE						
	TRASH REMOVAL (20 YARD DUMPSTER UP TO 4 TONS)	EA.	\$ 1,200.00	1	\$ 1,200	waste management online quote
	FINAL INSPECTION & SURVEY	EA.	\$ 7,500.00	1	\$ 7,500	per verbal estimate Hansen Engineering & Survey
				Sub-Total	\$ 8,700	
GENERAL CONSTRUCTION						
	RIP RAP PROTECTION	C.Y.	\$ 59.52	200	\$ 11,904	rs means online total o&p
	RIP / SCARIFY DISTURBED AREA (PIT FLOOR) (19 Acres South Pit)(25 Acres North Pit)	M.S.F.	\$ 29.40	1917	\$ 56,360	rs means online total o&p
				Sub-Total	\$ 68,264	
PLANT REMOVAL						
	PLANT DISMANTLING	L.S.	\$ 5,000.00	1	\$ 5,000	per verbal estimate Kramme Construction
	PLANT LOAD & UNLOAD	L.S.	\$ 5,000.00	1	\$ 5,000	per verbal estimate Kramme Construction
	TRANSPORTATION CRUSHING & SCREENING PLANT (2 trips)	MI.	\$ 2.50	124	\$ 310	per verbal estimate Kramme Construction
	TRANSPORTATION WASH PLANT W/CONVEYORS & RECLAIM WATER SYSTEM (3 trips)	MI.	\$ 2.50	186	\$ 465	per verbal estimate Kramme Construction
	TRANSPORTATION OF SAND SCREWS	MI.	\$ 2.50	62	\$ 155	per verbal estimate Kramme Construction
				Sub-Total	\$ 10,930	
MOBILIZATION & DEMOBILIZATION						
	MOBILIZATION RECLAMATION EQUIPMENT, DOZER (1), GRADER (1), LOADER (1), WATER TRUCK (1), PICKUP (1), FLATBED (1), EXCAVATOR (1)	EA.	\$ 2,000.00	7	\$ 14,000	per 2020 PacWest rentals quote
	DEMOBILIZATION RECLAMATION EQUIPMENT, DOZER (1), GRADER (1), LOADER (1), WATER TRUCK (1), PICKUP (1), FLATBED (1), EXCAVATOR (1)	EA.	\$ 2,000.00	7	\$ 14,000	per 2020 PacWest rentals quote
				Sub-Total	\$ 28,000	
COST ADJUSTMENT						
	ELECTRIC SUB-PANEL LOCKOUT (ELECTRIC COMPANY DISCONNECT FEE)	EA.	\$ 60.00	2	\$ 120	per sulphur springs valley electric cooperative, inc.
	WATER RECYCLE POND RECLAMATION (LINER REMOVAL AND REGRADE)	L.S.	\$ 15,000.00	1	\$ 15,000	per verbal estimate Kramme Construction
	2% ANNUAL INCREASE	L.S.	\$ 126,124.73	1	\$ 126,125	2% over 20 years
				Sub-Total	\$ 141,245	
ADMINISTRATIVE COSTS						
	CONTINGENCY	%	15.00%	1	\$ 60,118	
	CONTRACTOR PROFIT	%	10.00%	1	\$ 40,079	
	CONTRACTOR ADMINISTRATION	%	10.00%	1	\$ 40,079	
				Sub-Total	\$ 140,276	
				Total Reclamation Cost	\$ 541,065	